

Human Interleukin 18 (IL-18) / IFN-gamma-inducing factor / IL-1 gamma ELISA Kit (2 plates)

Catalogue No.: BEK-2119-2P

Description: The human Interleukin 18 (IL-18) Kit is a sandwich ELISA. The capture antibody is a monoclonal human IL-18 antibody pre-coated onto the 96-well strip plates provided in the kit. Human test samples and standards of known IL-18 concentration are added to these wells and allowed to complex with the bound IL-18 antibody. A biotinylated anti-human IL-18 polyclonal antibody is then added. This detection antibody binds to the antigen thus completing the sandwich. After washing, an enzyme Avidin-Biotin-Peroxidase complex (ABC) is added which binds to the second antibody. The peroxidase substrate TMB is added to induce a coloured reaction product. The intensity of this coloured product is directly proportional to the concentration of IL-18 present in the samples. The purpose of this kit is the in-vitro quantitative determination of human IL-18 in samples such as sera, plasma and cell culture supernates. This kit has been configured for research use only and is not to be used in diagnostic or clinical procedures.

Batch No.: See product labels

Other Names: Interleukin-18; IL-18; IL18; Ibocadekin; Interferon gamma-inducing factor; IFN-gamma-inducing factor; Interleukin-1 gamma; IL-1 gamma; IGIF; IL1F4;

Accession: Q14116 IL18_HUMAN;

Specificity: Human IL-18

Storage: Store at 2-8C

Specific References: Fernandez MV et al. (2016) Ion efflux and influenza infection trigger NLRP3 inflammasome signaling in human dendritic cells. *J Leukoc Biol.* 99(5):723-34

Cordero MD et al. (2016) Mutation in cytochrome b gene of mitochondrial DNA in a family with fibromyalgia is associated with NLRP3-inflammasome activation. *J Met Genet.* 53(2):113-22

Bullón P et al. (2016) AMPK Phosphorylation Modulates Pain by Activation of NLRP3 Inflammasome. *Antioxid Redox Signal.* 24(2):157-170

Miklaszewska, M et al (2015) "Clinical validity of urinary interleukin 18 and interleukin 6 determinations in preterm newborns." *Link Przegłąd Lekarski* 72:589-596; Appl: ELISA; Human Urine

Cordero MD et al (2013) NLRP3 Inflammasome is activated in Fibromyalgia: the effect of Coenzyme Q10 *PubMed link* *Antioxid Redox Signal.* July 25 2013 Epub ahead of print

Saroj Kumar Das Majumdar (2013) Evaluation of the diagnostic performance of new markers for acute kidney injury. *Transworld Med. J.* 1(1) 1-7

FOR RESEARCH USE ONLY

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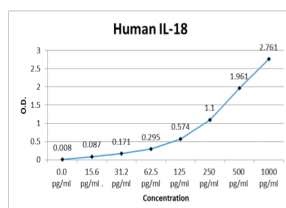
Vijayasimha M et al. (2013) Evaluation of the diagnostic performance of new markers for acute kidney injury associated with contrast administration. J Mahatma Gandhi Inst Med Sci. 18:116-21

- Kit components:** The ELISA kit box contains 2 x 96-well pre-coated strip plates, protein standards, detection reagents, substrate buffer and detailed protocols.
- Range:** 15.6 pg/mL - 1,000 pg/mL
- Sensitivity:** < 1 pg/ml
- Kit protocol:** Please refer to our online product listing for current protocol/MSDS versions.

IX: Typical Standard Curve (for reference only, not to be used for actual data)

Concentration pg/ml	0.0 pg/ml	15.6 pg/ml	31.2 pg/ml	62.5 pg/ml	125 pg/ml	250 pg/ml	500 pg/ml	1000 pg/ml
O.D.	0.008	0.087	0.171	0.286	0.574	1.100	1.961	2.761

This standard curve is for demonstration purposes only. A standard curve should be generated for each assay.



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